IN3254

Four Output RGBHV Distribution Amplifier

FEATURES

- Input: One set of female BNC connectors
- Outputs: Four sets of female BNC connectors
- 400 MHz (-3 dB) RGB video bandwidth, fully loaded
- Compatible with RGBHV, RGBS, RGsB, RsGsBs, component, S-video, and composite video signals
- Two level gain control: unity or 30% boost
- 2U, half-rack metal enclosure
- Internal international power supply

DESCRIPTION

The Extron **IN3254** is a high performance RGBHV distribution amplifier. This DA includes one input and four outputs on BNC connectors. The IN3254 features a two-position gain switch that affects the output level on all RGB channels, and compensates for signal level loss that occurs over long cable runs.

There is also a two-position sync level selector. Housed in a compact and durable metal enclosure, the IN3254 offers flexible video distribution/line driving capabilities to suit a wide variety of applications including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments.

SPECIFICATIONS

VIDEO

Gain	0 dB or +2 dB (x1.0 or x1.3), switch selectable
Bandwidth	400 MHz (-3 dB), fully loaded

VIDEO INPUT

Number / Signal type	1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, or S-video; or up to 3 composite video
Connectors	5 female BNC
Nominal level	1.0 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum / Maximum levels	Analog
With switch set to x1	0.3 V to 1.0 Vp-p with no offset
With switch set to x1.3	0.3 V to 0.75 Vp-p
Impedance	75 ohms
Horizontal frequency	15 kHz to 115 kHz
Vertical frequency	30 Hz to 120 Hz
Return loss	<-40 dB @ 5 MHz

VIDEO OUTPUT

Number / Signal type	4 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video; or up to 12 composite video
Connectors	4 x 5 female BNC
Nominal level	1.0 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum / Maximum levels	Analog: 0.3 V to 1.0 Vp-p
Impedance	75 ohms
Return loss	<-40 dB @ 5 MHz
DC offset	100 mV with input at 0 offset

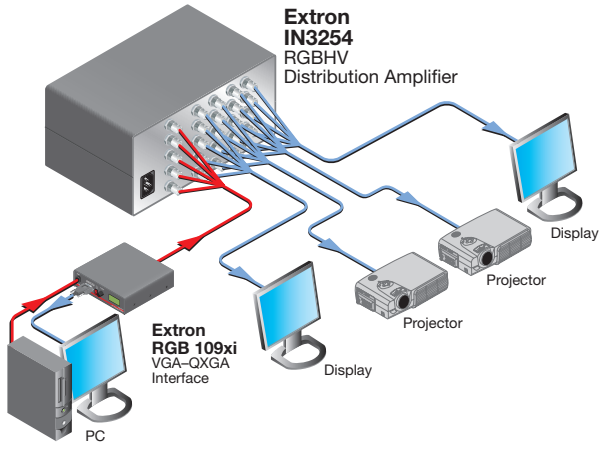
SYNC

Input / Output type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	1.8 V to 5.0 Vp-p
Output level (analog/TTL)	5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max input voltage	5.0 Vp-p
Max. propagation delay	H: 50 ns V: 110 ns
Max. Rise / Fall time	H: 15 ns V: 20 ns
Polarity	Positive or negative (follows input)

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 6 watts, internal, universal
Temperature / Humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional rack shelf
Enclosure type	Metal
Enclosure dimensions	3.4" H x 8.5" W x 4.4" D (2U high, half rack wide) 8.6 cm H x 21.6 cm W x 11.2 cm D (Depth includes connectors.)
Product weight	3.6 lbs (1.6 kg)
Shipping weight	6 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS / NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



MODEL

MODEL	VERSION DESCRIPTION	PART #
IN3254	1x4 RGBHV	60-723-01

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